EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	((document$1 near (cluster$3 or categor$5)) with (semantic$4 with similar$5)) and (cluster$3 near5 cluster$1)	US-PGPUB	OR	OFF	2006/12/02 12:38
L2	0	1 and @ad<="19990604"	US-PGPUB	OR	OFF	2006/12/02 12:41
L3	6544	(715/501.1,513,514,517,520,526, 529,530,532).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L4	8827	(707/3,5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L5	14917	3 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L6	4118	5 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:41
L7	4	6 and ((document$1 with (cluster$3 or categoriz$3 or group$3)) with (semantic$4 with similar$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:43
S1	627	document with cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/02 12:36
S2	1363	document with categor$8	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/02/09 14:27
S3	742	document$1 with cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/24 10:43
S4	17	(document$1 with cluster$3) with merg$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/24 10:43

EAST Search History

S5	788	cluster$4 same merg$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/11 12:34
S6	7985	document with network$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:56
S7	577	document near network$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:56
S8	267	document adj network$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:56
S9	26	(document adj network$1) and cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/21 10:57
S10	219	document near cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:30
S11	182	document adj cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:36
S12	498	(715/530).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S13	565	(715/501.1).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S14	825	(715/513).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S15	293	(715/526).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35

S16	85	(715/520).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:35
S17	213	(715/514).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:36
S18	182	(document adj cluster$3) same cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:37
S19	1177	clustering with clusters	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:37
S20	62	clustering near clusters	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:39
S21	14	clustering adj clusters	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:39
S22	259	(715/517).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:41
S23	298	document$3 near3 categoriz$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:41
S24	109	semantic near3 similarit$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:42
S25	4	(((document$3 near3 categoriz$4) and (semantic near3 similarit$3)) and cluster$3) and merg$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:43
S26	5	((document$3 near3 categoriz$4) and (semantic near3 similarit$3)) and cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:45

EAST Search History

S27	7	(document$3 near3 categoriz$4) and (semantic near3 similarit$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/22 14:45
S28	6020	(document$1 or text$1 or paper$1 or search$2 or manual$1 or web or html or xml or sgml) same cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:15
S29	3196	(document$1 or text$1 or paper$1 or search$2 or manual$1 or web or html or xml or sgml) with cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:15
S30	1980	(document$1 or text$1 or paper$1 or search$2 or manual$1 or web or html or xml or sgml) near5 cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:47
S31	27376	(document$1 or text$1 or paper$1 or search$2 or manual$1 or web or html or xml or sgml) near5 (cluster$3 or group$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:17
S32	452	S30 and similarit$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:48
S33	146	S32 and title$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:51
S34	123	S33 and (merg$3 or combin$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 13:51
S35	66	S33 and ((merg$3 or combin$3) same (cluster$3))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:15
S36	52	S35 and hierarchic$2	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:16
S37	25	S36 and agglomerative	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:18
S38	4	S37 and dice	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/01 15:19

EAST Search History

S39	100	("6446061" "5668897" "5857179" "5819258" "5926812" "5895474" "5497486" "5566078" "5717915" "6295517" "6560597" "6728932" "6701010" "5202840" "6092072" "5414643" "5534930" "5706503" "6049797" "6067340" "6253339" "6314392" "6507669" "6625585" "6778981" "4970604" "6044179" "6137911" "6189002" "6216123" "6216123" "6629097" "6778995" "4805111" "5812697" "6598054" "6072904" "6195659" "5970463" "5764283" "5765166" "5806030" "5832182" "6088333" "6285995" "6295504" "6591356" "6754675" "6772398" "6772399").pn.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/02 08:39
S40	229	cluster$3 and (dice)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:00
S41	7	cluster$3 and (dice adj coefficient$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:16
S42	714	scatter near gather	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:16
S43	642	scatter adj gather	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:16
S44	8	(scatter adj gather) near cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:17
S45	52	hierarchical near agglomerative near clustering	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:54
S46	3	S45 and dice	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:47
S47	28	S45 and document$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/04 12:54

EAST Search History

S48	2	("5931907").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 12:46
S49	4462	cluster$3 same display$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:01
S50	423	cluster$3 near display$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 12:47
S51	92	S50 and similarit$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 12:47
S52	5043	cluster$3 same (display$3 or layout$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:01
S53	501	cluster$3 near (display$3 or layout$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:15
S54	79	cluster$3 near (layout$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:03
S55	65	S54 and similar$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:04
S56	4	S54 and (layout$1 near similar$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:05
S57	0	S53 and (nam$3 near scheme$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:15
S58	25586	cluster$3 and (nam$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:16
S59	21416	cluster$3 and (nam$3) and similar$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:16

S60	408	cluster$3 same (nam$3) same similar$5	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:16
S61	99	cluster$3 with ((nam$3) same similar$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:18
S62	22	cluster$3 with ((nam$3) same similarit$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/09 13:19
S63	12	("5483637" | "5600791" | "5703964" | "5822741" | "5857179" | "5864855" | "6100901" | "6137911" | "6269376").PN. OR ("6424971"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/09 13:24
S64	9	S63 and cluster$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/09 13:24
S65	373	(document$5 or text$3) near cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 13:06
S66	26	S65 and (output$4 near display$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 13:05
S67	3	((document$5 or text$3) same nam$3) near cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/10 13:06
S68	5	lexical near affinity	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:03
S69	7	lexical near affinit$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:03
S70	2	S69 and cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:36
S71	1064	yahoo	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:36

EAST Search History

S72	167	yahoo and cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:36
S73	127	S72 and (layout$1 or display$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 08:37
S74	9	S73 and (cluster$3 with nam$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:00
S75	203	yahoo.as.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:00
S76	0	("yahoo.as.").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:01
S77	203	yahoo.as.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:01
S78	0	S77 and cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:01
S79	9	S77 and hierarchical$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 09:49
S80	2	("5,931,907").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S81	533	(715/530).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S82	626	(715/501.1).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S83	942	(715/513).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44

S84	317	(715/526).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S85	90	(715/520).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S86	286	(715/517).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S87	236	(715/514).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:44
S88	1314	(707/5).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:45
S89	2862	(707/3).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:45
S90	863	(709/218).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/11 10:45
S91	0	("cluster$3near(merg$3orcombin$3)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 13:12
S92	1037	cluster$3 near (merg$3 or combin$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 13:12
S93	3	(document$1) near (cluster$3 near (merg$3 or combin$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 13:12
S94	18	cluster$3 and (similarit$3 same dice$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:31

EAST Search History

S95	5	cluster$3 and (similarit$3 same dice$1 same relation$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:23
S96	117	(document$1 near cluster$3) same (similarit$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:32
S97	13	S96 and dice$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 13:32
S98	109	(agglomerative adj cluster$3) and similarity$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 12:32
S99	31	S98 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 12:34
S100	3	S99 and dice$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:14
S101	1133	hierarchical near display$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:15
S102	215	S101 and (left near right)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:14
S103	11	(hierarchical near display$1) same (left near right)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:37
S104	24	(bread adj crumb) adj trail$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 13:37

EAST Search History

S10 5	24	(bread adj crumb) adj trail$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:43
S10 6	10	S105 and ("and" or "or")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:38
S10 7	19	S105 and (similarit$3 or relation$2 or relationship$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S10 8	51009	"l1" and (similarit$3 or relation$2 or relationship$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S10 9	51009	"l1" and (similarit$3 or relation$2 or relationship$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S11 0	19	S105 and (similarit$3 or relation$2 or relationship$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:39
S11 1	773	((bread adj crumb) adj trail$3) or (navigat$3 near order$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:44
S11 2	3	(navigat$3 near order$3) same (web near display$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/30 16:44
S11 3	800	document with cluster$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/03 11:18
S11 4	1	S113 and (binar$3 near similarit$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/03 11:18

S11 5	2	("5,991,756").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 6	944	(715/530).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 7	1046	(715/501.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 8	2076	(715/513).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S11 9	518	(715/526).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S12 0	117	(715/520).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S12 1	573	(715/517).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:38
S12 2	319	(715/514).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:39
S12 3	5311	(707/3).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:39
S12 4	1645	(707/5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/07/05 15:39

S12 5	6099	(nam$3 near5 convention$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:14
S12 6	1492	(file$1 or document$1 or object$1) with (nam$3 near5 convention$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:16
S12 7	1144	S126 and (group$3 or categoriz$3 or cluster$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:15
S12 8	339	S127 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:17
S12 9	114	((file$1 or document$1 or object$1) with (nam$3 near5 convention$1)) same (group$3 or classify$3 or sort$3 or aggregat$3 or categoriz$3 or cluster$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:17
S13 0	35	S129 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 13:19
S13 1	2	S130 and similarit$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:20
S13 2	2	("6944612").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 15:20
S13 3	16	((nam$3 near3 convention$1) with cluster$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:47
S13 4	16	S133 and 2ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:47

S13 5	3	S133 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S13 6	128	concatenat$3 with cluster$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S13 7	17920749	4and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S13 8	54	S136 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:57
S13 9	6	concatenat$3 with (document$1 near5 cluster$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 11:49
S14 0	1	S139 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 1	1342	(concatenat$3 or combin$3 or merg$3) near name$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 2	136	S141 and cluster$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 3	906	S141 and (cluster$3 or group$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01
S14 4	331	S143 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:01

EAST Search History

S14 5	2201	(similarit$3 with (display$3))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:41
S14 6	159	(similarit$3 with (display$3)) same (document$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:41
S14 7	80	S146 and @ad<="19990604"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:51
S14 8	27	S147 and ((group$3 or cluster$3) with document$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 11:54
S14 9	21	S148 and (display$3 or print$3 or output$4) near5 result$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 13:00
S15 0	2	("5,991,756").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 13:00
S15 1	5463	(715/530,501.1,513,526,520,517, 514,532,529).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 2	7071	(707/3,5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 3	0	("006and7").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 4	369	S151 and S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01
S15 5	12165	S151 or S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:01

EAST Search History

S15 6	4076	S155 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:02
S15 7	51	S156 and ((document$1 with cluster$3) same similarit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 14:02
S15 8	1870	document$1 with cluster$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:12
S15 9	1128	document$1 near3 cluster$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:12
S16 0	582	S159 and similarit$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:15
S16 1	282	S159 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:15
S16 2	122	S160 and @ad<="19990604"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:15
S16 3	704	document$1 and (categoriz$3) and similarit$3 and cluster$3	US-PGPUB	OR	OFF	2006/05/08 10:22
S16 4	1	document$1 and (categoriz$3) and similarit$3 and cluster$3 and (renam$3 with cluster$3)	US-PGPUB	OR	OFF	2006/05/08 10:27
S16 5	5658	(715/530,501.1,513,526,520,517, 532,529).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27
S16 6	7689	(707/3,5).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27

EAST Search History

S167	12962	S165 S166	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27
S168	3931	S167 and @ad<="19990504"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 10:27
S169	0	S168 and (document$1 and (categoriz$3) and similarit$3 and cluster$3 and (renam$3 with cluster$3))	US-PGPUB	OR	OFF	2006/05/08 10:28

12/02/06

Interference

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	((document$1 near (cluster$3 or categor$5)) with (semantic$4 with similar$5)) and (cluster$3 near5 cluster$1)	US-PGPUB	OR	OFF	2006/12/02 12:38
L2	0	1 and @ad<="19990604"	US-PGPUB	OR	OFF	2006/12/02 12:39

Google Scholar™ BETA   **Advanced Scholar Search**

Find articles with **all** of the words   semantic similar   100 results   [Search Scholar]

with the **exact phrase**   document clustering

with **at least one** of the words

without the words

where my words occur   anywhere in the article

Author   Return articles written by

e.g., *"PJ Hayes"* or *McCarthy*

Publication   Return articles published in

e.g., *J Biol Chem* or *Nature*

Date   Return articles published between   — 1999

e.g., *1996*

Subject Areas   ⦿ Return articles in all subject areas.

○ Return only articles in the following subject areas:

☐ Biology, Life Sciences, and Environmental Science

☐ Business, Administration, Finance, and Economics

☐ Chemistry and Materials Science

☐ Engineering, Computer Science, and Mathematics

☐ Medicine, Pharmacology, and Veterinary Science

☐ Physics, Astronomy, and Planetary Science

☐ Social Sciences, Arts, and Humanities

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semantic similar "document clustering"   - 1999   Search

○ Search the Web ◉ Search English pages

Scholar All articles Recent articles Results **1 - 100** of about **244 English** pages for <u>**semantic similar** "**document clustering**</u>

All Results

G Salton
S Deerwester
S Dumais
J Bezdek
T Kohonen

Indexing by latent **semantic** analysis - group of 76 »
S Deerwester, ST Dumais, GW Furnas, TK Landauer, R ... - Journal of the American Society for Information
Science, 1990 - doi.wiley.com
... A notion of **semantic** similarity, between documents and be ... models that try to put
similar items near.... quently used for term and **document clustering** (Sparck Jones ...
Cited by 2218 - Related Articles - Web Search

Probabilistic latent **semantic** indexing - group of 15 »
T Hofmann - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org
... terms will have a **similar** representation in ... including automatic indexing Latent
Semantic Indexing, LSI 1 ... Notice that in contrast to **document clustering** models ...
Cited by 348 - Related Articles - Web Search

Projections for efficient **document clustering** - group of 13 »
H Schütze, C Silverstein - ACM SIGIR Forum, 1997 - portal.acm.org
Projections for Efficient **Document Clustering** ... orthonormal space by means of Latent
Semantic Indexing (LSI ... TF-50 is **similar** to the truncation method recommended ...
Cited by 100 - Related Articles - Web Search

Information retrieval using a singular value decomposition model of latent **semantic** structure - group of 3 »
GW Furnas, S Deerwester, ST Dumais, TK Landauer, ... - Proceedings of the 11th annual international ACM
SIGIR ..., 1988 - portal.acm.org
... models that try to put **similar** items near each other .in ... To represent the underlying
semantic structure, ... **clustering**; though we note [KOLL'79] as an exception ...
Cited by 110 - Related Articles - Web Search

Document clustering for electronic meetings: An experimental comparison of two techniques - group of 11 »
DG Roussinov, H Chen - Decision Support Systems, 1999 - dee.ufrn.br
... lieved to be important techniques for **semantic** analy- wx ... We have chosen to use **similar**
metrics in our ... 4. In prior studies on **document clustering**, the benchmark ...
Cited by 33 - Related Articles - View as HTML - Web Search

Latent **semantic** indexing (LSI): TREC-3 report - group of 7 »
ST Dumais - Overview of the Third Text REtrieval Conference, 1994 - wortschatz.uni-leipzig.de
... manner, we assume that the derived "**semantic** space" is ... experiment in TREC-2, with
amazingly **similar** results. ... a) **Document clustering** could be used to reduce the ...
Cited by 53 - Related Articles - View as HTML - Web Search - BL Direct

[BOOK] Inference networks for document retrieval - group of 6 »
H Turtle, WB Croft - 1989 - ACM Press New York, NY, USA
... including browsing [TC89], **document clustering** [CroSO], spreading ... **similar** to computing
the probability that a user ... a document, about the **semantic** and stochastic ...
Cited by 250 - Related Articles - Web Search - Library Search

Grouper: A Dynamic Clustering Interface to Web Search Results - group of 15 »

O Zamir, O Etzioni - WWW8 / Computer Networks, 1999 - www8.org
... By fielding a **document clustering** system on the Web ... fail to capture the **semantic**
distinctions the ... a hierarchical and interactive interface, **similar** to Scatter ...
Cited by 248 - Related Articles - Cached - Web Search

[PS] Model selection in unsupervised learning with applications to **document clustering** -
group of 2 »
B Dom, S Vaithyanathan - The Sixteenth International Conference on Machine Learning, 1999 -
almaden.ibm.com
... By making assumptions about the generative model, we derive a closed-form expression
for the **document clustering** problem. ... **Document Clustering** ...
Cited by 30 - Related Articles - View as HTML - Web Search - BL Direct

An interface for navigating clustered document sets returned by queries - group of 15 »
RB Allen, P Obry, M Littman - Proceedings of the conference on Organizational computing ..., 1993 -
portal.acm.org
... while still others reflect the **semantic** confusion between ... browsing a static **document
clustering**, but it seems to ... a bhry tree [6] in which **similar** documents are ...
Cited by 54 - Related Articles - Web Search

Progress in the application of natural language processing to information retrieval tasks -
group of 6 »
AF Smeaton - The Computer Journal, 1992 - portal.acm.org
... and Actions: Discussions Find **similar** Articles Review ... Fabio Crestani, Using **semantic**
and phonetic ... algorithms for topical **document clustering**, Proceedings of ...
Cited by 71 - Related Articles - Web Search

[BOOK] Web Page Categorization and Feature Selection Using Association Rule and
Principal Component ... - group of 13 »
J Moore... - 1998 - maya.cs.depaul.edu
... In **document clustering**, each document corresponds to an item ... example, HyPursuit 22]
uses **semantic** information embedded ... be used in nding **similar** HTML documents ...
Cited by 37 - Related Articles - View as HTML - Web Search - Library Search

Document Categorization and Query Generation on the World Wide Web Using WebACE -
group of 17 »
D Boley, M Gini, R Gross, EH Han, K Hastings, G ... - Artificial Intelligence Review, 1999 - Springer
... Existing approaches to **document clustering** are generally based on either ... into a term
frequency matrix M, in a manner **similar** to Latent **Semantic** Indexing (LSI ...
Cited by 94 - Related Articles - Web Search - Library Search - BL Direct

Detecting text similarity over short passages: Exploring linguistic feature combinations via
machine ... - group of 2 »
V Hatzivassiloglou, J Klavans, E Eskin - Proceedings of the Joint SIGDAT Conference on Empirical ..., 1999 -
citeseer.ist.psu.edu
... (2001) (Correct) **Similar** documents based ... Schapire, Singer - 1999 31 **Semantics** and
Cognition ... Recent Trends in Hierachical **Document Clustering** (context) - Willet ...
Cited by 32 - Related Articles - Cached - Web Search

Adaptive **document clustering**
CT Yu, YT Wang, CH Chen - Proceedings of the 8th annual international ACM SIGIR ..., 1985 -
portal.acm.org
ADAPTIVE **DOCUMENT CLUSTERING** ... many times, it is likely that the positive **semantic**
relationship exists ... If such term pairs appear in **similar** situations many times ...
Cited by 20 - Related Articles - Web Search

Using latent semantic analysis to improve access to textual information - group of 3 »
ST Dumais, GW Furnas, TK Landauer, S Deerwester, R ... - Proceedings of the SIGCHI conference on
Human factors in ..., 1988 - portal.acm.org
... been used for term and **document clustering** 1131, [1.5 ... well and looked for the most
similar documents in ... latent **semantic** space, many of the vocabulary problems ...
Cited by 108 - Related Articles - Web Search

Term-weighting approaches in automatic text retrieval - group of 5 »
G Salton, C Buckley - Information Processing and Management: an International ..., 1988 - portal.acm.org
... Tools and Actions: Discussions Find **similar** Articles Review ... algorithms for topical
document clustering, Proceedings of ... for latent **semantic** indexing information ...
Cited by 1551 - Related Articles - Web Search - Library Search

[BOOK] **Pattern Recognition with Fuzzy Objective Function Algorithms**
JC Bezdek - 1981 - Kluwer Academic Publishers Norwell, MA, USA
Cited by 2835 - Related Articles - Web Search - Library Search

[BOOK] **Self-organizing maps** - group of 3 »
T Kohonen - 1997 - Springer-Verlag New York, Inc. Secaucus, NJ, USA
Cited by 4040 - Related Articles - Web Search - Library Search - BL Direct

Semantic Structuring and Visual Querying of Document Abstracts in Digital Libraries -
group of 7 »
A Becks, S Sklorz, C Tresp - Proc. of the Second European Conference on Research and ..., 1998 - Springer

... In [1] a combination of **document clustering** and visualization is ... where documents
dealing with **similar** topics are ... For gaining a deeper, **semantic** comparison this ...
Cited by 11 - Related Articles - Web Search - BL Direct

Automatically Organizing Bookmarks per Contents - group of 4 »
YS Maarek, I Ben-Shaul - WWW5 / Computer Networks, 1996 - www5conf.inria.fr
... 94] that introduced this LA-based **document clustering**, we proposed a ... concern) as
it has no **semantic** meaning. ... as a percentage (0%= not **similar** whatsoever, 100 ...
Cited by 60 - Related Articles - Cached - Web Search

Improving the retrieval of information from external sources
ST Dumais - Behavior Research Methods, Instruments and Computers, 1991 - psychonomic.org
... We use the term **semantic** indexing to describe ... vectors corresponds to their estimated
similar- ity ... sometimes beenused for term and **document clustering** (Jardin & ...
Cited by 232 - Related Articles - View as HTML - Web Search

Term clustering of syntactic phrases - group of 6 »
DD Lewis, WB Croft - Proceedings of the 13th annual international ACM SIGIR ..., 1989 - portal.acm.org
... However, **semantic** properties suffer, ... **clustering** and factor analysis. ... to relatively
infrequent and highly **similar** terms, clust,ers should be used to supplement ...
Cited by 62 - Related Articles - Web Search

[PS] **WebACE: A Web Agent for Document Categorization and Exploration** - group of 10 »
EH Han, D Boley, M Gini, R Gross, K Hastings, G ... - Proc. of the 2nd International Conference on
Autonomous ..., 1998 - www-users.cs.umn.edu
... example, HyPursuit [27] uses **semantic** information em ... queries and search for **similar**
docu- ments ... Existing approaches to **document clustering** are generally based on ...
Cited by 70 - Related Articles - View as HTML - Web Search

Document Clustering in Concept Space: The NIST Information Retrieval Visualization

Engine (NIRVE) - group of 5 »
J Cugini, S Laskowski, C Piatko - CODATA Euro-American Workshop on Visualization of ..., 1997 - itl.nist.gov
... **Document clustering** is based on these user inputs ... this serves to emphasize the **semantic** difference between ... premise that documents with **similar** concept profiles ...
Cited by 9 - Related Articles - Cached - Web Search

Integrating Query Expansion and Conceptual Relevance Feedback for Personalized Web Information ... - group of 7 »
CH Chang, CC Hsu - WWW7 / Computer Networks, 1998 - scu.edu.au
... upper bound performance in lexical-**semantic** expansion [3 ... designing philosophy, we choose **document clustering** as our ... The hypothesis is that **similar** documents are ...
Cited by 14 - Related Articles - Cached - Web Search

Semantic clustering for adaptive language modeling - group of 5 »
R Kneser, J Peters - Proc. ICASSP-97, 1997 - doi.ieeecs.org
... **Similar** to the unigram experiments we observe a ... ing Algorithm Based on Latent **Semantic** Analysis", Proc ... J. Peters: "**Document Clustering** for the Improve- ment ...
Cited by 14 - Related Articles - Web Search - BL Direct

Learning in intelligent information retrieval - group of 2 »
DD Lewis - Proceedings of the Eighth International Workshop on Machine ..., 1991 - citeseer.ist.psu.edu
... Gauch Department (1992) (Correct) **Similar** documents based ... trends in hierarchic **document clustering**: A critical ... 29 Indexing by latent **semantic** indexing (context ...
Cited by 25 - Related Articles - Cached - Web Search

HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering - group of 8 »
R Weiss, B Vélez, MA Sheldon - Proceedings of the the seventh ACM conference on Hypertext, 1996 - portal.acm.org
... system must impose some **semantic** organization on ... hypothesize that incorporating both will improve **document clustering**. ... mation retrieval services **similar** to the ...
Cited by 153 - Related Articles - Web Search

[BOOK] Automatic text processing: the transformation, analysis, and retrieval of information by computer - group of 2 »
G Salton - 1989 - Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA
Cited by 2612 - Related Articles - Web Search - Library Search

[BOOK] Information retrieval: data structures and algorithms - group of 2 »
WB Frakes, R Baeza-Yates - 1992 - Prentice-Hall, Inc. Upper Saddle River, NJ, USA
Cited by 1077 - Related Articles - Web Search - Library Search

Using Machine Learning to Improve Information Access - group of 2 »
M Sahami - 1998 - citeseer.ist.psu.edu
... Approach to Full-Text **Document Clustering** - Goldszmidt, Sahami ... (1998) (Correct) **Similar** documents based on ... 547 Indexing by latent **semantic** analysis - Deerwester ...
Cited by 59 - Related Articles - Cached - Web Search - Library Search

Document expansion for speech retrieval - group of 9 »
A Singhal, F Pereira - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org
... on **document clustering** have given results that are negative to mixed at best 9, 22, 6, 27, 30]. Work on Latent **Semantic** Indexing (LSI) also has a **similar** feel. ...
Cited by 65 - Related Articles - Web Search

A multispan language modeling framework for large vocabulary speechrecognition - group of 3 »

JR Bellegarda - Speech and Audio Processing, IEEE Transactions on, 1998 - ieeexplore.ieee.org
... contain a **similar** pattern of words from the ... words are used in increasingly different
semantic contexts ... B. **Document Clustering** Similarly, expanding using the SVD ...
Cited by 54 - Related Articles - Web Search - BL Direct

Automatic thesaurus construction based on grammatical relations

T Tokunaga, M Iwayama, H Tanaka - Proceedings of the 14th International Joint Conference on ..., 1995 -
citeseer.ist.psu.edu
... Areas Natural (Correct) **Similar** documents based ... 4: Automatic Learning for **Semantic**
Collocation - Sekine ... trends in hierarchic **document clustering**: A critical .. ...
Cited by 29 - Related Articles - Cached - Web Search - BL Direct

User-oriented **document clustering**: a framework for learning in information retrieval - group of 2 »

JS Deogun, VV Raghavan - Proceedings of the 9th annual international ACM SIGIR ..., 1986 - portal.acm.org

... A two phase schems for **document clustering**, whose results reflect the "conceptual"
clusters that ... where the objects within a class are more **similar** to each ...
Cited by 17 - Related Articles - Web Search

Document clustering in reduced dimension vector space - group of 2 »

K Lerman - **Document clustering** in reduced dimension vector space, 1999 - isi.edu
... We investigate the use of Latent **Semantic** Analysis to ... the same cluster are more **similar**
to one ... field of information retrieval (IR), **document clustering** is used ...
Cited by 6 - Related Articles - View as HTML - Web Search

Internet Categorization and Search: A Self-Organizing Approach - group of 5 »

H Chen, C Schuffels, R Orwig - Journal of Visual Communication and Image Representation, 1996 -
ai.bpa.arizona.edu
... algorithm developed by MacLeod was used for **document clustering**. ... in a hybrid
neural-**semantic** network ... Both methods achieved **similar** performance, but the Hopfield ...
Cited by 119 - Related Articles - Cached - Web Search - BL Direct

[PS] Enhancing performance in latent **semantic** indexing (LSI) retrieval - group of 10 »

ST Dumais - Bellcore (Bell Communications Research) document TM-ARH, 1990 - mathe.tu-freiberg.de
... sometimes been used for term and **document clustering** (Sparck Jones ... represent a wide
range of **semantic** relations; (2 ... that have employed techniques **similar** to SVD ...
Cited by 24 - Related Articles - View as HTML - Web Search

Story segmentation and topic detection in the broadcast news domain - group of 5 »

S Dharanipragada, M Franz, JS McCarley, S Roukos, ... - Proceedings of the DARPA Broadcast News
Workshop, 1999 - cs.columbia.edu
... is based on left and right window **semantic** over- lap ... in the rst stage: a **similar**
document-similarity ... retrieval based approach to **document clustering** that incorpo ...
Cited by 12 - Related Articles - View as HTML - Web Search

Clustering algorithms

E Rasmussen - Information retrieval: data structures and algorithms table ..., 1992 - portal.acm.org
... and Actions: Discussions Find **similar** Articles Review ... Zamir , Oren Etzioni, Web **document**
clustering: a feasibility ... Concept Spaces for **Semantic** Retrieval: The ...
Cited by 232 - Related Articles - Web Search

[PS] Exploration of document collections with self-organizing maps: A novel approach to similarity ... - group of 6 »

D Merkl - Proceedings of the European Symposium on Principles of Data ..., 1997 - ifs.tuwien.ac.at
... The usage of cluster analysis for **document clustering** has a ... retrieval is the hypothesis
that **similar** documents tend ... is to uncover the **semantic** similarities be ...
Cited by 15 - Related Articles - View as HTML - Web Search - BL Direct

[PS] Story Segmentation and Topic Detection for Recognized Speech
S Dharanipragada, M Franz, JS McCarley, S Roukos, ... - Proceedings of the Sixth European Conference on
Speech ..., 1999 - data.cstr.ed.ac.uk
... on left and right window **semantic** overlap, estimated ... in the rst stage: a **similar**
document-similarity ... based ap- proach to **document clustering** that incorporates ...
Cited by 10 - Related Articles - View as HTML - Web Search

Scatter/gather browsing communicates the topic structure of a very large text collection -
group of 5 »
P Pirolli, P Schank, M Hearst, C Diehl - Proceedings of the SIGCHI conference on Human factors in ..., 1996
- portal.acm.org
... **DOCUMENT CLUSTERING** IN SCATTER/GATHER. ... was used to lay out a kind of **semantic** space
for ... On average, SGS and SGR participants' diagrams were more **similar** to each ...
Cited by 112 - Related Articles - Web Search

Exploiting clustering and phrases for context-based information retrieval - group of 2 »
PG Anick, S Vaithyanathan - ACM SIGIR Forum, 1997 - portal.acm.org
... In a **similar** vein, users of Digital ... I%erefore, most previous **document clustering**
experiments have been ... in the context of Latent **Semantic** Indexing [DEERWESTER90 ...
Cited by 62 - Related Articles - Web Search - BL Direct

[PS] Scatter/gather as a tool for the navigation of retrieval results - group of 5 »
MA Hearst, DR Karger, JO Pedersen - Working Notes of the AAAI Fall Symposium on AI Applications ...,
1995 - parcftp.xerox.com
... The **document clustering** algorithm is optimized for speed, to encourage ... display, and
documents that are **similar** to the ... term indexing to **semantic** hyperindexing. ...
Cited by 28 - Related Articles - View as HTML - Web Search

A statistical language modeling approach integrating local andglobal constraints
JR Bellegarda - Automatic Speech Recognition and Understanding, 1997. ..., 1997 - ieeexplore.ieee.org
... see also [8] for an illustration of **document clustering**. ... and fail to reflect the
overall **semantic** fabric of d"ql ... **Similar** observations can be made for the models ...
Cited by 8 - Related Articles - Web Search

[BOOK] Information Retrieval - group of 3 »
CJ Van Rijsbergen - 1979 - Butterworth-Heinemann Newton, MA, USA
... A model of a **document-clustering**-based information ... Fabio Crestani, Using **semantic**
and phonetic term ... software libraries by browsing **similar** classes, functions ...
Cited by 2438 - Related Articles - Web Search - Library Search

Evaluation of an inference network-based retrieval model - group of 3 »
H Turtle, WB Croft - ACM Transactions on Information Systems (TOIS), 1991 - portal.acm.org
... functions, including browsing [38], **document clustering** [7], spreading activa- ... The
techniques required to support these kinds of inference are **similar** to ...
Cited by 284 - Related Articles - Web Search

Lexical analysis and stoplists
C Fox - Information retrieval: data structures and algorithms table ..., 1992 - portal.acm.org
... and Actions: Discussions Find similar Articles Review ... Lee, A semi-supervised **document
clustering** technique for ... Jorge Cardoso , Amit Sheth, **Semantic** E-Workflow ...
Cited by 96 - Related Articles - Web Search

A study of retrospective and on-line event detection - group of 7 »
Y Yang, T Pierce, J Carbonell - Proceedings of the 21st annual international ACM SIGIR ..., 1998 -
portal.acm.org
... semantic and temporal properties of events; document ... temporal proximity as a criterion
for document clustering. ... between bursts of topically similar sto- ries ...
Cited by 122 - Related Articles - Web Search

VAGUE: a user interface to relational databases that permits vague queries - group of 3 »
A Motro - ACM Transactions on Information Systems (TOIS), 1988 - portal.acm.org
... it can be used as evidence that two differently named attributes are similar. ... to
store these semantics; for example, some variant of a semantic network with a ...
Cited by 135 - Related Articles - Web Search

Document clustering: before and after the singular value decomposition
M Hasan, Y Masumoto - Information Processing Society of Japan, Natural Language ..., 1999 -
bangladoot.co.uk
... Document Clustering is an issue of measuring similarity between documents and grouping
similar documents together ... Latent Semantic Indexing, an efficient vector ...
Cited by 3 - Related Articles - View as HTML - Web Search

Generating document clusters using thesauri and neural networks
J Farkas - Electrical and Computer Engineering, 1994. Conference ..., 1994 - ieeexplore.ieee.org
... for the classification of lexically similar natural language ... to construct a self-
organizing semantic map for ... relative to a targeted document clustering on the ...
Cited by 5 - Related Articles - Web Search

Watson: Anticipating and contextualizing information needs - group of 3 »
J Budzik, K Hammond - Proceedings of the Sixty-second Annual Meeting of the ..., 1999 - cs.ualberta.ca
... for recommendation and for document clustering (such as ... to query contextualization
is similar to techniques ... such a representation with semantic knowledge of a ...
Cited by 67 - Related Articles - View as HTML - Web Search - BL Direct

A knowledge-based approach to organizing retrieved documents - group of 11 »
W Pratt, MA Hearst, L Fagan - Proceedings of AAAI, 1999 - ischool.washington.edu
... Document-clustering systems create groups of docu- ments based ... results, their query
abstractions are similar to those ... gen- eral concept, called a semantic type ...
Cited by 36 - Related Articles - View as HTML - Web Search

[BOOK] Machine Learning - group of 4 »
TM Mitchell - 1997 - McGraw-Hill Higher Education
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clustering method using ... Koopman , Mary Shaw, Semantic anomaly detection ...
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... assumed to be complete in **semantics** will be ... for English-Chinese comparable texts:
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CH Chang, CC Hsu - Knowledge and Data Engineering, IEEE Transactions on, 1999 - ieeexplore.ieee.org
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clustering** is based on ... hypothesis which states that **similar** documents are ...
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1 Output ranking methodology for document-clustering-based Boolean retrieval systems
   Tadeusz Radecki
   June 1985 **Proceedings of the 8th annual international ACM SIGIR conference on Research and development in information retrieval**
   Publisher: ACM Press
   Full text available: 📄 pdf(649.81 KB)   Additional Information: full citation, references, citings

2 Conceptual schema analysis: techniques and applications
   S. Castano, V. De Antonellis, M. G. Fugini, B. Pernici
   September 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 3
   Publisher: ACM Press
   Full text available: 📄 pdf(350.09 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

   The problem of analyzing and classifying conceptual schemas is becomig increasingly important due to the availability of a large number of schemas related to existing applications. The purposes of schema analysis and classification activities can be different: to extract information on intensional properties of legacy systems in order to restructure or migrate to new architectures; to build libraries of reference conceptual components to be used in building new applications in a given domai ...

   Keywords: conceptual modeling, reference components, schema classification, schema similarity

3 Using Kohonen maps to determine document similarity
   Jennifer Farkas
   October 1994 **Proceedings of the 1994 conference of the Centre for Advanced Studies on Collaborative research**
   Publisher: IBM Press
   Full text available: 📄 pdf(575.72 KB)   Additional Information: full citation, abstract, references, index terms

   In this paper we present some experimental results on the classification of natural language documents using Kohonen's self-organizing-map neural network paradigm. We discuss, in particular, how the classification accuracy can be improved if the standard

keyword representation of documents is enhanced by including specific weights, thesaurally-defined relations among keywords, and additional synonyms for keywords. We sketch the main features of a prototype of an automatic document classification ...

4 A study of retrospective and on-line event detection

Yiming Yang, Tom Pierce, Jaime Carbonell

August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: ⬛ pdf(1.05 MB)   Additional Information: full citation, references, citings, index terms

5 A model of a document-clustering-based information retrieval system with a Boolean search request formulation

Tadeusz Radecki

June 1980 **Proceedings of the 3rd annual ACM conference on Research and development in information retrieval**

Publisher: Butterworth & Co.

Full text available: ⬛ pdf(562.73 KB)   Additional Information: full citation, references, citings

6 Document retrieval and text retrieval: An overview of DR-LINK and its approach to document filtering

Elizabeth D. Liddy, Woojin Paik, Edmund S. Yu, Kenneth A. McVearry

March 1993 **Proceedings of the workshop on Human Language Technology HLT '93**

Publisher: Association for Computational Linguistics

Full text available: ⬛ pdf(409.85 KB)   Additional Information: full citation, abstract, references

DR-LINK is an information retrieval system, complex in design and processing, with the potential for providing significant advances in retrieval results due to the range and richness of semantic representation done by the various modules in the system. By using a full continuum of linguistic-conceptual processing, DR-LINK has the capability of producing documents which precisely match users' needs. Each of DR-LINK's six processing modules add to the conceptual enhancement of the document and que ...

7 Exploration of text collections with hierarchical feature maps

Dieter Merkl

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '97**, Volume 31 Issue SI

Publisher: ACM Press

Full text available: ⬛ pdf(1.65 MB)   Additional Information: full citation, references, citings, index terms

8 Using latent semantic analysis to improve access to textual information

S. T. Dumais, G. W. Furnas, T. K. Landauer, S. Deerwester, R. Harshman

May 1988 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available: ⬛ pdf(621.24 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes a new approach for dealing with the vocabulary problem in human-computer interaction. Most approaches to retrieving textual materials depend on a lexical

match between words in users' requests and those in or assigned to database objects. Because of the tremendous diversity in the words people use to describe the same object, lexical matching methods are necessarily incomplete and imprecise [5]. The latent semantic indexing approach tries to overcome these problems by a ...

9 Special issue on word sense disambiguation: Automatic word sense discrimination
Hinrich Schütze
March 1998 **Computational Linguistics**, Volume 24 Issue 1
Publisher: MIT Press
Full text available: pdf(1.97 MB) Additional Information: full citation, abstract, references, citings
Publisher Site
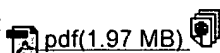
This paper presents context-group discrimination, a disambiguation algorithm based on clustering. Senses are interpreted as groups (or clusters) of similar contexts of the ambiguous word. Words, contexts, and senses are represented in Word Space, a high-dimensional, real-valued space in which closeness corresponds to semantic similarity. Similarity in Word Space is based on second-order co-occurrence: two tokens (or contexts) of the ambiguous word are assigned to the same sense cluster if the wo ...

10 Term clustering of syntactic phrases
D. D. Lewis, W. B. Croft
December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(1.62 MB)   Additional Information: full citation, abstract, references, citings, index terms

Term clustering and syntactic phrase formation are methods for transforming natural language text. Both have had only mixed success as strategies for improving the quality of text representations for document retrieval. Since the strengths of these methods are complementary, we have explored combining them to produce superior representations. In this paper we discuss our implementation of a syntactic phrase generator, as well as our preliminary experiments with producing phrase clusters. Th ...

11 Information retrieval using a singular value decomposition model of latent semantic structure
G. W. Furnas, S. Deerwester, S. T. Dumais, T. K. Landauer, R. A. Harshman, L. A. Streeter, K. E. Lochbaum
May 1988 **Proceedings of the 11th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(1.35 MB)   Additional Information: full citation, abstract, references, citings, index terms

In a new method for automatic indexing and retrieval, implicit higher-order structure in the association of terms with documents is modeled to improve estimates of term-document association, and therefore the detection of relevant documents on the basis of terms found in queries. Singular-value decomposition is used to decompose a large term by document matrix into 50 to 150 orthogonal factors from which the original matrix can be approximated by linear combination; both documents and terms ...

12 What the query told the link: the integration of hypertext and information retrieval
Gene Golovchinsky
April 1997 **Proceedings of the eighth ACM conference on Hypertext**
Publisher: ACM Press
Full text available: pdf(825.12 KB)   Additional Information: full citation, references, citings, index terms

Keywords: browsing, dynamic hypertext, information exploration, information retrieval, newspaper metaphor, relevance feedback

13 Projections for efficient document clustering

Hinrich Schütze, Craig Silverstein

July 1997 **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '97**, Volume 31 Issue SI

Publisher: ACM Press

Full text available: pdf(1.26 MB)   Additional Information: full citation, references, citings, index terms

14 User-oriented document clustering: a framework for learning in information retrieval

J. S. Deogun, V. V. Raghavan

September 1986 **Proceedings of the 9th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(776.71 KB)   Additional Information: full citation, abstract, references, citings

In information retrieval, cluster analysis is an important tool employed to enhance both efficiency and effectiveness of the retrieval process. Most clustering algorithms have difficulty in reflecting the closeness of documents as perceived by the user. A two phase scheme for document clustering, whose results reflect the "conceptual" clusters that are perceived by the user of the retrieval system, is proposed. Since the clusters obtained by this scheme are not characterized in ...

15 Optimal determination of user-oriented clusters

J. Deogun, V. Raghavan

November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(632.90 KB)   Additional Information: full citation, abstract, references, citings, index terms

User-oriented clustering schemes enable the classification of documents based upon the user perception of the similarity between documents, rather than on some similarity function presumed by the designer to represent the user criteria. In this paper, an enhancement of such a clustering scheme is presented. This is accomplished by the formulation of the user-oriented clustering as a function-optimization problem. The problem formulated is termed the Boundary Selection Problem (BSP). Heurist ...

16 Abstracts of Articles in the Information Retrieval Area Selected by Gerard Salton

September 1986 **ACM SIGIR Forum**, Volume 21 Issue 1-2

Publisher: ACM Press

Full text available: pdf(1.10 MB)   Additional Information: full citation

17 HyPursuit: a hierarchical network search engine that exploits content-link hypertext clustering

Ron Weiss, Bienvenido Vélez, Mark A. Sheldon

March 1996 **Proceedings of the the seventh ACM conference on Hypertext**

Publisher: ACM Press
Full text available: pdf(2.00 MB)   Additional Information: full citation, references, citings, index terms

18 Contextualizing the information space in federated digital libraries

M. P. Papazoglou, J. Hoppenbrouwers
March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

Publisher: ACM Press
Full text available: pdf(695.20 KB)   Additional Information: full citation, abstract, citings, index terms

Rapid growth in the volume of documents, their diversity, and terminological variations render federated digital libraries increasingly difficult to manage. Suitable abstraction mechanisms are required to construct meaningful and scalable document clusters, forming a cross-digital library information space for browsing and semantic searching. This paper addresses the above issues, proposes a distributed semantic framework that achieves a logical partitioning of the information space accordi ...

19 Structuring and visualising the WWW by generalised similarity analysis

Chaomei Chen
April 1997 **Proceedings of the eighth ACM conference on Hypertext**

Publisher: ACM Press
Full text available: pdf(962.97 KB)   Additional Information: full citation, references, citings, index terms

Keywords: WWW, information visualisation, pathfinder networks, sequential behavioural patterns, structural analysis

20 VAGUE: a user interface to relational databases that permits vague queries

Amihai Motro
July 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 3

Publisher: ACM Press
Full text available: pdf(2.16 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A specific query establishes a rigid qualification and is concerned only with data that match it precisely. A vague query establishes a target qualification and is concerned also with data that are close to this target. Most conventional database systems cannot handle vague queries directly, forcing their users to retry specific queries repeatedly with minor modifications until they match data that are satisfactory. This article describes a system called VAGUE that can handle vague queries ...

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21 An interface for navigating clustered document sets returned by queries   ⬛

Robert B. Allen, Pascal Obry, Michael Littman
December 1993 **Proceedings of the conference on Organizational computing systems**
Publisher: ACM Press
Full text available: 📄 pdf(571.98 KB)   Additional Information: full citation, references, citings, index terms

Keywords: clustering, information retrieval, interfaces

22 Abstracting of legal cases: the SALOMON experience   ⬛

Marie-Francine Moens, Caroline Uyttendaele, Jos Dumortier
June 1997 **Proceedings of the 6th international conference on Artificial intelligence and law**
Publisher: ACM Press
Full text available: 📄 pdf(1.24 MB)   Additional Information: full citation, references, citings, index terms

23 Generation and search of clustered files   ⬛

G. Salton, A. Wong
December 1978 **ACM Transactions on Database Systems (TODS)**, Volume 3 Issue 4
Publisher: ACM Press
Full text available: 📄 pdf(1.78 MB)   Additional Information: full citation, abstract, references, citings, index terms

A classified, or clustered file is one where related, or similar records are grouped into classes, or clusters of items in such a way that all items within a cluster are jointly retrievable. Clustered files are easily adapted to broad and narrow search strategies, and simple file updating methods are available. An inexpensive file clustering method applicable to large files is given together with appropriate file search methods. An abstract model is then introduced to predict the retrieval ...

Keywords: automatic classification, cluster searching, clustered files, fast classification, file organization, probabilistic models

24 Information retrieval theory and design based on a model of the user's concept relations

Matthew B. Koll

June 1980 **Proceedings of the 3rd annual ACM conference on Research and development in information retrieval**

Publisher: Butterworth & Co.

Full text available: pdf(753.08 KB)   Additional Information: full citation, references, citings

25 The use of cluster hierarchies in hypertext information retrieval

D. B. Crouch, C. J. Crouch, G. Andreas

November 1989 **Proceedings of the second annual ACM conference on Hypertext**

Publisher: ACM Press

Full text available: pdf(1.05 MB)   Additional Information: full citation, abstract, references, citings, index terms

The graph-traversal approach to hypertext information retrieval is a conceptualization of hypertext in which the structural aspects of the nodes are emphasized. A user navigates through such hypertext systems by evaluating the semantics associated with links between nodes as well as the information contained in nodes. [Fris88] In this paper we describe an hierarchical structure which effectively supports the graphical traversal of a document collection in a hypertext system ...

26 ABSTRACTS (Chosen by G. Salton from recent issues of journals in the retrieval area.)

January 1988 **ACM SIGIR Forum**, Volume 22 Issue 1-2

Publisher: ACM Press

Full text available: pdf(828.94 KB)   Additional Information: full citation, abstract

GRANT is an expert system for finding sources of funding given research proposals. Its search method - constrained spreading activation - makes inferences about the goals of the user and thus finds information that the user did not explicitly request but that is likely to be useful. The architecture of GRANT and the implementation of constrained spreading activation are described, and GRANT's performance is evaluated.

27 The personal electronic program guide—towards the pre-selection of individual TV programs

Michael Ehrmantraut, Theo Härder, Hartmut Wittig, Ralf Steinmetz

November 1996 **Proceedings of the fifth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(923.87 KB)   Additional Information: full citation, references, index terms

28 Inference networks for document retrieval

H. Turtle, W. B. Croft

December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(1.65 MB)   Additional Information: full citation, abstract, references, citings, index terms

The use of inference networks to support document retrieval is introduced. A network-based retrieval model is described and compared to conventional probabilistic and Boolean models.

29 Evaluation of an inference network-based retrieval model

Howard Turtle, W. Bruce Croft

July 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 3

Publisher: ACM Press

Full text available: 📄 pdf(2.40 MB)   Additional Information: full citation, references, citings, index terms, review

Keywords: document retrieval, inference networks, network retrieval models

30 A dynamic cluster maintenance system for information retrieval

F. Can, E. Ozkarahan

November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: 📄 pdf(937.52 KB)   Additional Information: full citation, abstract, references, citings, index terms

Partitioning by clustering of very large databases is a necessity to reduce the space/time complexity of retrieval operations. However, the contemporary and modern retrieval environments demand dynamic maintenance of clusters. A new cluster maintenance strategy is proposed and its similarity/stability characteristics, cost analysis, and retrieval behavior in comparison with unclustered and completely reclustered database environments have been examined by means of a series of experi ...

31 Scatter/gather browsing communicates the topic structure of a very large text collection

Peter Pirolli, Patricia Schank, Marti Hearst, Christine Diehl

April 1996 **Proceedings of the SIGCHI conference on Human factors in computing systems: common ground**

Publisher: ACM Press

Full text available: 📄 pdf(1.23 MB) 📄   Additional Information: full citation, references, citings, index terms
html(47.35 KB)

Keywords: Scatter/Gather, browsing, clustering, information retrieval

32 Effective Automatic Indexing Using Term Addition and Deletion

C. T. Yu, G. Salton, M. K. Siu

April 1978 **Journal of the ACM (JACM)**, Volume 25 Issue 2

Publisher: ACM Press

Full text available: 📄 pdf(950.30 KB)   Additional Information: full citation, references, citings, index terms

33 Recent trends in automatic information retrieval

Gerard Salton

September 1986 **Proceedings of the 9th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: 📄 pdf(1.05 MB)   Additional Information: full citation, abstract, references, citings

Substantial successes were achieved in the early years in automatic indexing and retrieval using single term indexing theories with term weight assignments based on frequency considerations. The development of more refined indexing systems using thesaurus aids and automatically constructed term association maps changed the retrieval effectiveness only slightly. The recent introduction of the relevance concept in the form of probabilistic retrieval models provided a firm basis for term weigh ...

34 Adaptive document clustering .

C. T. Yu, Y. T. Wang, C. H. Chen
June 1985 **Proceedings of the 8th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(465.87 KB)   Additional Information: full citation, references, citings

35 Experiments with a component theory of probabilistic information retrieval based on single terms as document components

K. L. Kwok
October 1990 **ACM Transactions on Information Systems (TOIS)**, Volume 8 Issue 4
Publisher: ACM Press

Full text available: pdf(1.84 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

A component theory of information retrieval using single content terms as component for queries and documents was reviewed and experimented with. The theory has the advantages of being able to (1) bootstrap itself, that is, define initial term weights naturally based on the fact that items are self relevent; (2) make use of within-item term frequencies; (3) account for query-focused and document-focused indexing and retrieval strategies cooperatively; and (4) allow for component-specific fe ...

Keywords: document-focused and query-focused relevance feedback, indexing and retrieval, inverse collection term frequency weighting, inverse document frequency weighting, probabilistic indexing, probabilistic retrieval, ranking and weighting of composite objects

36 Dynamic document processing

Gerard Salton
July 1972 **Communications of the ACM**, Volume 15 Issue 7
Publisher: ACM Press
Full text available: pdf(1.07 MB)   Additional Information: full citation, abstract, references, citings

The current role of computers in automatic document processing is briefly outlined, and some reasons are given why the early promise of library automation and of the mechanization of documentation processes has not been fulfilled. A new dynamic document environment is then outlined in which clustered files are searched and information is retrieved following an interactive user-controlled search process. Methods are described for an automatic query modification based on user needs ...

Keywords: automatic indexing, automatic search and retrieval, collection growth, collection retirement, feedback search, iterative searching, mechanized library processing

37 The exploration of legal text corpora with hierarchical neural networks: a guided tour in public international law

Dieter Merkl, Erich Schweighofer
June 1997 **Proceedings of the 6th international conference on Artificial intelligence and law**
Publisher: ACM Press
Full text available: pdf(1.12 MB)　　Additional Information: full citation, references, citings, index terms

38 Experiments in automatic statistical thesaurus construction

Carolyn J. Crouch, Bokyung Yang
June 1992 **Proceedings of the 15th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(741.19 KB)　　Additional Information: full citation, abstract, references, citings, index terms

A well constructed thesaurus has long been recognized as a valuable tool in the effective operation of an information retrieval system. This paper reports the results of experiments designed to determine the validity of an approach to the automatic construction of global thesauri (described originally by Crouch in [1] and [2] based on a clustering of the document collection. The authors validate the approach by showing that the use of thesauri generated by this method results in substantial ...

39 Extending the relational algebra to capture less meaning

T. H. Merrett
November 1984 **ACM SIGMOD Record**, Volume 14 Issue 3
Publisher: ACM Press
Full text available: pdf(868.35 KB)　　Additional Information: full citation, references

40 An object-oriented modeling of the history of optimal retrievals

Yong Zhang, Vijay V. Raghavan, Jitender S. Deogun
September 1991 **Proceedings of the 14th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(895.03 KB)　　Additional Information: full citation, references, citings, index terms

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41 ABSTRACTS (Chosen by G. Salton from recent issues of journals in the retrieval
area.)
Gerald Salton
April 1989 **ACM SIGIR Forum**, Volume 23 Issue 3-4
Publisher: ACM Press
Full text available: ⬛ pdf(1.09 MB)   Additional Information: full citation

▬

42 A document retrieval system for man-machine interaction
G. Salton
January 1964 **Proceedings of the 1964 19th ACM national conference**
Publisher: ACM Press
Full text available: ⬛ pdf(1.07 MB)   Additional Information: full citation, abstract, references, citings, index terms

▬

An automatic document retrieval system, programmed for the IBM 7094, is described.
The system is designed to process English texts and search requests, and uses statistical,
syntactic and semantic procedures for the analysis of information and the identification of
relevant items. The operations are planned around a central supervisor, which in turn
calls on the various subroutines, as desired. This organization makes it possible to alter
both the processing sequences and the mat ...

43 Abstracts of slected journal articles
Gerard Salton
July 1982 **ACM SIGIR Forum**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: ⬛ pdf(674.72 KB)   Additional Information: full citation

▬

44 Using clustering and visualization for refining the results of a WWW image search
engine
Sougata Mukherjea, Kyoji Hirata, Yoshinori Hara
November 1998 **Proceedings of the 1998 workshop on New paradigms in information
visualization and manipulation**

▬

Publisher: ACM Press
Full text available: pdf(1.61 MB)   · Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: World Wide Web, image search engine, query result visualization

45 <u>Life, death, and lawfulness on the electronic frontier</u>
James Pitkow, Peter Pirolli
March 1997 **Proceedings of the SIGCHI conference on Human factors in computing systems**
Publisher: ACM Press
Full text available: pdf(1.05 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: World Wide Web, categorization, clustering, co-citation analysis, hypertext, survial analysis, usage models

46 <u>Hypertext construction using statistical and semantic similarity</u>
Dongwook Shin, Sejin Nam, Munseok Kim
July 1997 **Proceedings of the second ACM international conference on Digital libraries**
Publisher: ACM Press
Full text available: pdf(1.15 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

47 <u>Approximating matrix multiplication for pattern recognition tasks</u>
Edith Cohen, David D. Lewis
January 1997 **Proceedings of the eighth annual ACM-SIAM symposium on Discrete algorithms**
Publisher: Society for Industrial and Applied Mathematics
Full text available: pdf(1.10 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

48 <u>ABSTRACTS (Chosen by G. Salton or V. Raghavan from 1984 issues of journals in the retrieval area)</u>
May 1986 **ACM SIGIR Forum**, Volume 20 Issue 1-4
Publisher: ACM Press
Full text available: pdf(2.38 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

Examined in this article is the hypothesis that it is now technologically and economically feasible to move the content of documents electronically among nodes of a library network rather than the documents themselves or photocopies thereof. Comparisons are made on the basis of response-to-request time, quality of reproduced copy and cost factors. The conclusion is reached that electronic interlibrary resource-sharing networks are ideally suited to situations where there are high frequency occur ...

49 <u>Authoritative sources in a hyperlinked environment</u>
Jon M. Kleinberg
January 1998 **Proceedings of the ninth annual ACM-SIAM symposium on Discrete algorithms**
Publisher: Society for Industrial and Applied Mathematics

Full text available: pdf(843.14 KB)   Additional Information: full citation, references, citings, index terms

50 Text summarization: Summarization: (1) using MMR for diversity - based reranking and (2) evaluating summaries
Jade Goldstein, Jaime Carbonell
October 1998 **Proceedings of a workshop on held at Baltimore, Maryland: October 13-15, 1998**
Publisher: Association for Computational Linguistics
Full text available: pdf(1.17 MB)   Additional Information: full citation, abstract, references

> This paper develops a method for combining query-relevance with information-novelty in the context of text retrieval and summarization. The Maximal Marginal Relevance (MMR) criterion strives to reduce redundancy while maintaining query relevance in reranking retrieved documents and in selecting appropriate passages for text summarization. Preliminary results indicate some benefits for MMR diversity ranking in ad-hoc query and in single document summarization. The latter are borne out by the tria ...

51 Multi-media document representation and retrieval
Esen Ozkarahan, Fazli Can
April 1991 **Proceedings of the 19th annual conference on Computer Science**
Publisher: ACM Press
Full text available: pdf(1.10 MB)   Additional Information: full citation, references, citings

52 Interactive clustering for navigating in hypermedia systems
Sougata Mukherjea, James D. Foley, Scott E. Hudson
September 1994 **Proceedings of the 1994 ACM European conference on Hypermedia technology**
Publisher: ACM Press
Full text available: pdf(918.11 KB)   Additional Information: full citation, abstract, references, citings, index terms

> This paper talks about clustering related nodes of an overview diagram to reduce its complexity and size. This is because although overview diagrams are useful for helping the user to navigate in a hypermedia system, for any real-world system these become too complicated and large to be really useful. Both structure-based and content-based clustering are used. Since the nodes can be related to each other in different ways, depending on the situation different clustered views will be useful. ...

> **Keywords**: clustering, information visualization, navigation, overview diagrams

53 Documentation: Documents, concepts and neural networks
Jennifer Farkas
October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**
Publisher: IBM Press
Full text available: pdf(533.53 KB)   Additional Information: full citation, abstract, references

> In this paper we investigate the relevance of neural networks to the problem of document classification. We show that textual documents can be represented numerically in a semantically meaningful way, so that the back-propagation learning algorithm can be used to build a document classifying neural network. We show that the network can be taught to classify natural language text according to predefined specifications. The

convergence properties of the prototype *NeuroZ* described in this pa ...

54 Protofoil: storing and finding the information worker's paper documents in an electronic file cabinet
Ramana Rao, Stuart K. Card, Walter Johnson, Leigh Klotz, Randall H. Trigg
April 1994 **Proceedings of the SIGCHI conference on Human factors in computing systems: celebrating interdependence**
Publisher: ACM Press
Full text available: pdf(1.38 MB)   Additional Information: full citation, references, citings, index terms

Keywords: ad hoc information work, document imaging, filing of paper documents, information retrieval, paper user interface

55 A transient hypergraph-based model for data access
Carolyn Watters, Michael A. Shepherd
April 1990 **ACM Transactions on Information Systems (TOIS),** Volume 8 Issue 2
Publisher: ACM Press
Full text available: pdf(1.94 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Two major methods of accessing data in current database systems are querying and browsing. The more traditional query method returns an answer set that may consist of data values (DBMS), items containing the answer (full text), or items referring the user to items containing the answer (bibliographic). Browsing within a database, as best exemplified by hypertext systems, consists of viewing a database item and linking to related items on the basis of some attribute or attribute value. ...

56 Papers: Inherited Feature-based Similarity Measure based on large semantic hierarchy and large text corpus
Hideki Hirakawa, Zhonghui Xu, Kenneth Haase
August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 1**
Publisher: Association for Computational Linguistics
Full text available: pdf(623.25 KB)   Additional Information: full citation, abstract, references, citings

We describe a similarity calculation model called IFSM (Inherited Feature Similarity Measure) between objects (words/concepts) based on their common and distinctive features. We propose an implementation method for obtaining features based on abstracted triples extracted from a large text corpus utilizing taxonomical knowledge. This model represents an integration of traditional methods, i.e., relation based similarity measure and distribution based similarity measure. An experiment, using our n ...

57 Data manipulation and programming problems in automatic information retrieval
G. Salton
March 1966 **Communications of the ACM,** Volume 9 Issue 3
Publisher: ACM Press
Full text available: pdf(885.56 KB)   Additional Information: full citation, abstract, references, citings

Automatic information retrieval programs require the manipulation of a variety of different data structures, including linear text, sparse matrices, and tree or list structures. The main data manipulations to be performed in automatic information systems are first briefly reviewed. A variety of data representations which have been used to describe structured information are then examined, and the characteristics of various processing languages are outlined in the light of the procedures req ...

58 Organization of clustered files for consecutive retrieval

J S. Deogun, V V. Raghavan, T K.W. Tsou

December 1984 **ACM Transactions on Database Systems (TODS)**, Volume 9 Issue 4

Publisher: ACM Press

Full text available: pdf(1.79 MB)   Additional Information: full citation, abstract, references, index terms, review

This paper studies the problem of storing single-level and multilevel clustered files. Necessary and sufficient conditions for a single-level clustered file to have the consecutive retrieval property (CRP) are developed. A linear time algorithm to test the CRP for a given clustered file and to identify the proper arrangement of objects, if CRP exists, is presented. For the single-level clustered files that do not have CRP, it is shown that the problem of identifying a storage organization w ...

59 Incorporating different search models into one document retrieval system

W. Bruce Croft

May 1981 **ACM SIGIR Forum , Proceedings of the 4th annual international ACM SIGIR conference on Information storage and retrieval: theoretical issues in information retrieval SIGIR '81**, Volume 16 Issue 1

Publisher: ACM Press

Full text available: pdf(580.78 KB)   Additional Information: full citation, abstract, references, citings

Many effective search strategies derived from different models are available for document retrieval systems. However, it does not appear that there is a single most effective strategy. Instead, different strategies perform optimally under different conditions. This paper outlines the design of an adaptive document retrieval system that chooses the best search strategy for a particular situation and user. In order to be able to support a variety of search strategies, a general network representat ...

60 Navigating in information spaces: Information foraging models of browsers for very large document spaces

Peter Pirolli, Stuart K. Card

May 1998 **Proceedings of the working conference on Advanced visual interfaces**

Publisher: ACM Press

Full text available: pdf(4.29 MB)   Additional Information: full citation, abstract, references, citings

Information Foraging (IF) Theory addresses user strategies and technology for seeking, gathering, and using on-line information. We present IF-based models and evaluations of two interfaces: the Scatter/Gather browser for large document collections, and the Butterfly interface for surfing the citation link structure of scientific literatures. A computational cognitive model, ACT-IF, models observed users by assuming that they have heuristics that optimize their information foraging behavior in a ...

Keywords: cognitive models, information foraging theory, information retrieval

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